IMPERIAL BOTANICAL
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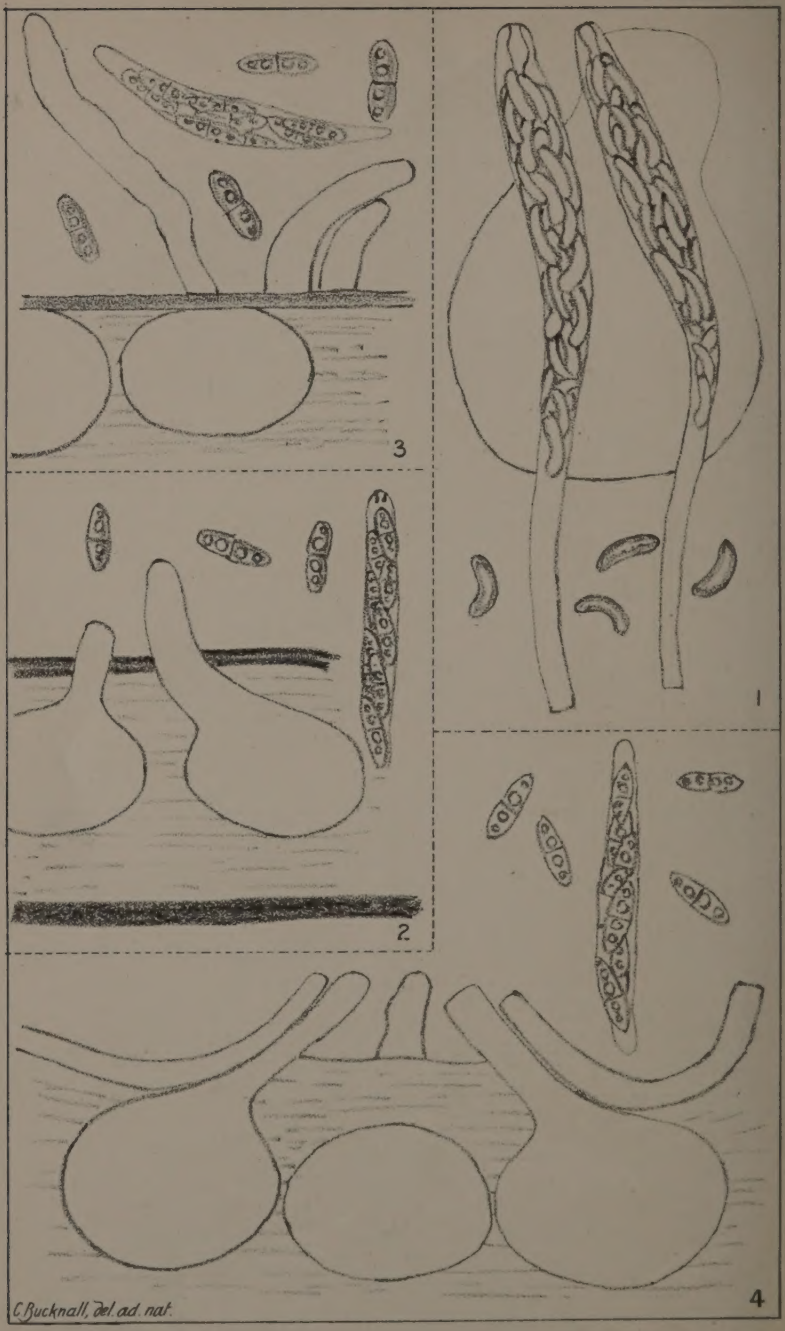
INSTITUTE

Part X



1. *Cryptovalsa Nitschei*, Fckl.
2. *Diaporthe Tulasnei*, Nke.
3. *Diaporthe discrepans*, Sacc.
4. *Diaporthe quercus*, Fckl.

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The Fungi of the Bristol District.

PART X.

By CEDRIC BUCKNALL, Mus. Bac.,

Corresponding Member of the Cryptogamic Society of Scotland.

1311. Lasiosphæria fulcita, n. sp. Plate XIII., fig. 8.*

Perithecia crowded, emergent, then superficial, ovate, rugose, sparsely clothed with short, septate, brown hairs, ·04 mm. in diameter; ostiola large, deeply radiato-sulcate; asci linear, 120×5; paraphyses filiform; sporidia elliptic, at first simple, then uniseptate, brown, 1–2-nucleate, 12–13×5.

On rotten oak branches.

The perithecia are erumpent between the fibres of the wood, sometimes at first covered by the bark, then naked and superficial. The ostiola appear to be supported by from three to six radiating buttresses. The sporidia are for a long time simple, and do not become uniseptate until after they have changed from hyaline to brown.

The following species are either hitherto unrecorded as British, or have occurred for the first time in Britain in this district:—

1241. Agaricus (Amanita) solitarius, *Bull. Champ. t. 48. Fr. Hym. Eur., p. 22. Grevillea XV., p. 65.*

* The figures in Plates XI. to XIV. are all drawn to scale, the asci and sporidia being magnified about 830, and the perithecia 70 diameters.

1274. HYDNUM FUSCO-ATRUM, *Fr. Hym. Eur., p. 612. Grevillea XV., p. 67.*

1299. CRYPTOVALSA NITSCHEI, *Fckl. Sacc. Syl. No. 692.* Plate XI., fig. 1.

1300. DIAPORTHE (EUPORTHE) TULASNEI, *Nke. Sacc. Syl. No. 2526.* Plate XI., fig. 2.

On nettle stems.

1301. DIAPORTHE (EUPORTHE) DISCREPANS, *Sacc. Syl. Add. No. 6098.* Plate XI., fig. 3.

On stems of Rumex.

This agrees well with the description of the *Diaporthe* on Rumex from North America, and also with that of *D. orthoceras*, which is described as only growing on *Compositæ*. As the genus *Diaporthe* is to a great extent classified with reference to the host plants, I am bound to refer my specimens to the former species.

1302. DIAPORTHE (TETRASTAGA) QUERCUS, *Fckl. Sacc. Syl. No. 2572.* Plate XI., fig. 4.

On oak branches.

1305. DIAPORTHE (TETRASTAGA) CRUSTOSA, *Sacc & Roum. Syl. No. 2603.* Plate XII., fig. 5.

On holly branches.

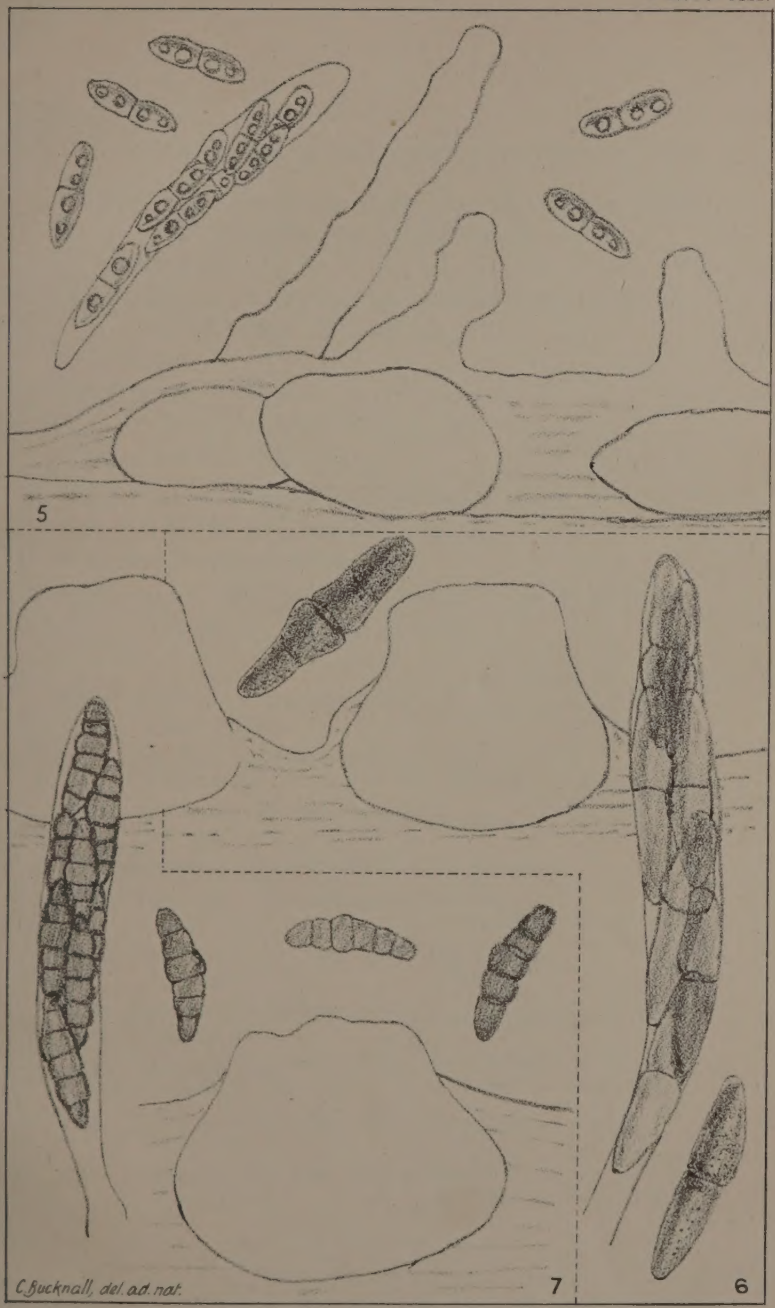
1307. LOPHIOSTOMA (SCHIZOSTOMA) MONTELLICUM, *Sacc. Syl. No. 5398.* Plate XII.,. fig. 6.

This agrees better with Saccardo's description than with his figure, *Fung. Ital. No. 146.* It evidently belongs to the group comprising *S. montellicum*, *S. vicinum*, and *S. vicinellum*, which appear to differ principally in the size of the spores. The relative proportions of my specimens agreeing best with *S. montellicum*, I refer it to that species.

1309. LOPHIOSTOMA VAGANS, *H. Fabre, Sacc. Syl. No. 5483.* Plate XII., fig. 7.

On a stick of mahogany.

The sporidia agree well with the figure in *Spher. Vaucl. fig. 48-49*, but it may be the same as *L. pseudomacrostomum*.



5. *Diaporthe crustosa*, Sacc & Roum.

6. *Schizostoma montellicum*, Sacc. } 7. *Lophiostoma vagans*, H. Fabre.

1317. Sphæria (Apiospora) Montagnei, *Dur. & Mont. Sacc. Syl. No. 2098.* Plate XIII., fig. 10.

On Pampas grass.

1318. Sphæria (Leptosphæria) galiorum, *Sacc. Syl. No. 2928.* Plate XIV., fig. 12.

On *Galium.*

1319. Sphæria (Leptosphæria) culmicola, *Fr. Sacc. Syl. No. 3110.* Plate XIV., fig. 13.

On stems of *Phragmites communis.*

1320. Sphæria (Leptosphæria) dolioides, *Auers. Sacc. Syl. No. 3011.* Plate XIV., fig. 14.

On stems of *Tanacetum vulgare.*

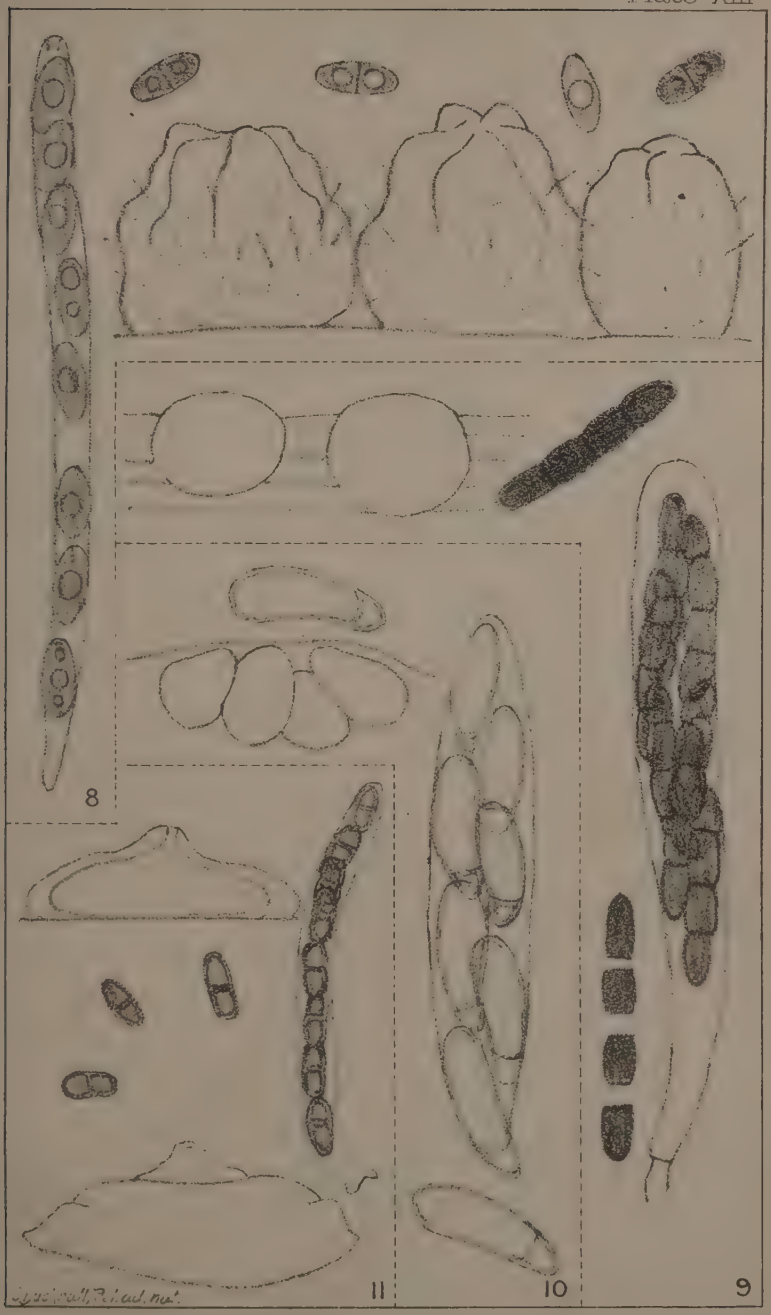
1321. Sphæria (Metasphæria) culmifida, *Karst. Sacc. Syl. No. 3476.* Plate XIV., fig. 15.

1241. Agaricus (Amanita) solitarius, *Bull.*	Leigh Woods,	Sept., 1886.
1242. Agaricus (Lepiota) clypeolarius, *Fr.*	Blaise Castle Woods,	Nov., „
1243. Agaricus (Lepiota) cepæstipes, *Sow.*	Clevedon,	May, 1887.

In a greenhouse. Communicated by Mr. E. Wheeler.

1244. Agaricus (Tricholoma) vaccinus, *Pers.*	Brockley Coombe,	Nov., 1886.
1245. Agaricus (Clitocybe) amplus, *Pers.*	Blaise Castle Woods,	„ „
1246. Agaricus (Collybia) conigenus, *Pers.*	Near Sea Mills,	May, 1887.
1247. Agaricus (Mycena) pelianthinus, *Fr.*	Blaise Castle Woods.	Nov., 1886.
1248. Agaricus (Mycena) ammoniacus, *Fr.*	Kingsweston,	Oct., „
1249. Agaricus (Mycena) stanneus, *Fr.*	Durdham Downs,	Nov., „

1250. Agaricus (Mycena) vulgaris, *Pers.*	Brockley Coombe,	Nov.,	1886.
1251. Agaricus (Omphalia) hydrogrammus, *Fr.*	"	"	"
1252. Agaricus (Leptonia) asprellus, *Fr.*	Leigh Woods,	Oct.,	"
1253. Agaricus (Flammula) lentus, *Pers.*	Blaise Castle Woods,	Nov.,	"
1254. Agaricus (Flammula) lubricus, *Fr.*	Westridge Wood,	Sept.,	1880.
1255. Agaricus (Psathyra) bifrons, *B.*	Durdham Downs,	Oct.,	1886.
1256. Agaricus (Psathyrella) aratus, *B.*	"	"	"
1257. Agaricus (Psathyrella) hydrophorus, *Bull.*	Beaufort Road,	April,	1878.
1258. Coprinus fimetarius, *var.*, pullatus, *Bolt.*	Osborne Road (Mr. L. Rogers),	May,	1887.
1259. Cortinarius (Phlegmacium) cyanopus, *Fr.*	Leigh Woods,	Sept.,	1886.
1260. Cortinarius (Phlegmacium) scaurus, *Fr.*	Durdham Downs,	"	1884.
1261. Cortinarius (Myxacium) emollitus, *Fr.*	Kingsweston,	Oct.,	1886.
1262. Cortinarius (Dermocybe) camurus, *Fr.*	Blaise Castle Woods,	Nov.,	"
1263. Cortinarius (Telamonia) bivelus, *Fr.*	Abbott's Leigh,	Sept.,	1885.
1264. Cortinarius (Hydrocybe) privignus, *Fr.*	Blaise Castle Woods,	Nov.,	1886.
1265. Cortinarius (Hydrocybe) scandens, *Fr.*	"	"	"
1266. Hygrophorus hypothejus, *Fr.*	Coombe Hill,	"	"
1267. Lactarius pyrogalus, *Bull.*	Blaise Castle Woods,	Sept.	"



8 *Lasiosphaeria fulcita, Bucknall.*

9. *Perisporium vulgare, Corda. var.*

10. *Apiospora Montagnei, Durl & Mont.*

11. *Didymosphaeria convidea, Niessl.*

1268.	Lactarius chrysorheus, *Fr.*	Blaise Castle Woods,	Nov., 1886.
1269.	Russula fellea, *Fr.*	Stapleton,	„ „
1270.	Polyporus fumosus, *Fr.*	Brockley Coombe,	„ „
1271.	„ spumeus, *Fr.*	Leigh Woods,	„ „
1272.	Trametes mollis, *Sommf.*	„	April, 1887.
1273.	Dædalea confragosa, *Pers.*	Abbott's Leigh,	Sept., 1886.
1274.	Hydnum fuscoatrum, *Fr.*	Leigh Woods,	Nov., 1886.
1275.	Phlebia merismoides, *Fr.*	„	„ „
1276.	„ radiata, *Fr.*	Leigh Woods, (Mr. E. Wheeler)	— „
1277.	Thelephora Sowerbei, *B.*	Berwick Wood,	Aug., 1880.
1278.	Tremella tubercularia, *B.*	Leigh Woods,	Dec., 1877.
1279.	Phallus impudicus, *Linn.*	Coombe Hill,	Sept., 1886.
1280.	Lycoperdon pusillum. *Fr.*	Durdham Downs,	— „
1281	Craterium vulgare, *Ditm.*	Leigh Woods,	Nov., „
1282.	Stemonitis ferruginea, *Ehr.*	„	June, 1884.
1283.	Phoma melæna, *Fr.*	Coombe Hill,	May, 1887.

On *Astragalus glycyphillos.*

1284.	Pestalozzia lignicola, *Cke.*	Durdham Downs,	June, 1886.
1285.	Puccinia mixta, *Fckl.*	„ (Mr. L. Rogers),	„ „
1286.	Fusisporium fœni, *B. & Br.*	Black Rock Quarry,	May, 1887.
1287.	Ascophora mucedo, *Tode.*	Clifton,	Sept., 1886.
1288.	Peziza fibrillosa, *Curr.*	Durdham Downs,	Nov., „
1289.	„ inflexa, *Bolt.*	The Avon, S.,	Sept., „
1290.	Patellaria parvula, *Cke.*	Durdham Downs,	April, 1887.

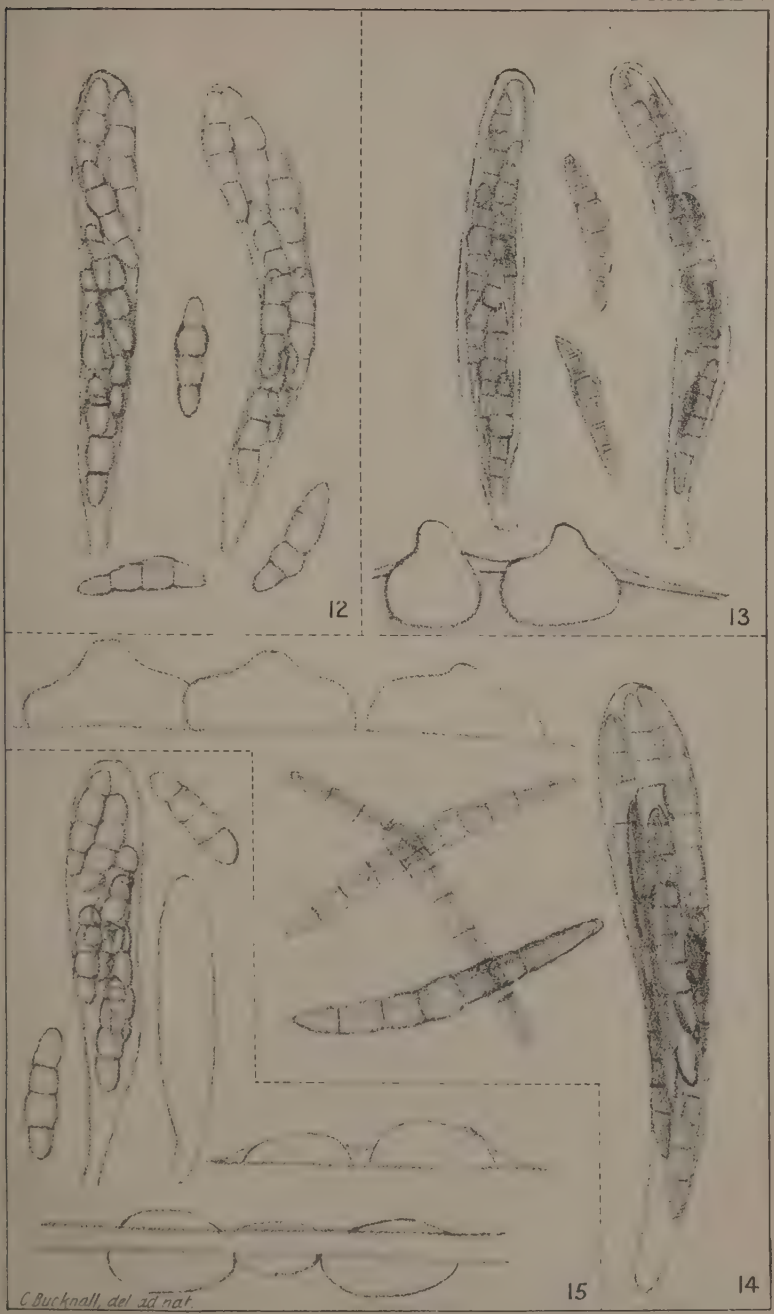
* Hysterium curvatum, *Fr.* Leigh Woods.

Very common on rose and bramble stems. It was referred to *H. Rousselii* at p. 349, vol. II., Part III.

1291. Actidium hysterioides, *Fr.*	Coombe Hill.	—	—
* Perisporium vulgare, *Corda.*	Black Rock Quarry.	May,	1885.

This was described and figured in error as *Sporormia secedens* at No. 1218, Vol. V., Plate V., fig. 3. A form has occurred on a piece of dead wood, apparently elm, with asci of a very different form, but I cannot refer it to any other species. It differs from the ordinary form in the smaller, crowded, generally emergent perithecia, 250–300 μ in diameter, and the larger, clavate asci, which are 120 × 15. Sporidia 36 × 7. It is figured at Plate XIII., fig. 9.

1292. Diatrype bullata, *Fr.*	Sandy Lane,	June,	1887.
1293. Valsa cornicola, *Cke.*	The Avon,	April,	1885.
1294. „ (Chorostate) aceris *Fckl.*	Hanham,	Nov.,	„
1295. Valsa (Calospora) detrusa, *Fr.*	Blaise Castle,	Spring,	„
1296. Valsa (Calospora) Innessii, *Curr.*	Durdham Downs,	—	1884.
1297. Melanconis alni, *Tul.*	Ham Green.	—	—
1298. „ thelebola, *Fr.*	„	—	—
1299. Cryptovalsa Nitschei, *Fckl.*	Leigh Woods,	June,	1885.
1300. Diaporthe (Euporthe) Tulasnei, *Nke.*	Portbury,	June,	1879.
1301. Diaporthe (Euporthe) discrepans, *Sacc.*	Black Rock Quarry,	Feb.,	1887.
1302. Diaporthe (Tetrastaga) Quercus, *Fckl.*	Leigh Woods.	—	—
1303. Diaporthe (Tetrastaga) sarothamni, *Awd.*	Hanham,	Nov.,	1885.
1304. Diaporthe (Tetrastaga) discutiens, *Berk.*	Markham Bottom,	May,	1887.
1305. Diaporthe (Tetrastaga) crustosa, *Sacc & Roum.*	Black Rock Quarry,	April,	1886.



12. *Leptosphaeria galiorum, Sacc.*
13. *Leptosphaeria culmicola, Fr.*
14. *Leptosphaeria doliolum, Aver.*
15. *Metasphaeria culmifida, Karst.*

1306.	Diaporthe (Tetrastaga) epilobii, *Cke.*	Markham Bottom,	May, 1887.
1307.	Lophiostoma (Schizostoma) montellicum, *Sacc.*	The Avon,	April, 1880.
1308.	Lophiostoma (Lophiotrema) sexnucleatum, *Cke.*	„	Sept., 1886.
1309.	Lophiostoma vagans, *H. Fabre.*	Black Rock Quarry,	Feb., 1887.
1310.	Lasiosphæria scabra, *Curr.*	Durdham Downs,	April, „
1311.	„ fulcita, *Bucknall p.* 1 *ante.*	Leigh Woods,	— 1878.
		Blaise Castle Woods,	— 1884.
1312.	Psilosphæria mammæformis, *Pers.*	Durdham Downs,	Mar., 1885.
1313.	Psilosphæria dioica, *Moug.*	Coombe Hill,	May, 1887.
1314.	Conisphæria pæcilostoma, *B. & Br.*	Coombe Hill,	May, „
1315.	Sphæria (Anthostoma) Plowrightii, *Niessl.*	Hanham,	Nov., 1885.
1316.	Sphæria (Apiospora) Montagnei, *Dur. & Mont.*	Tyntesfield,	July, —

* Sphæria (Didymosphæria) conoidea, *Niessl.* No. 1220 *ante*, Plate XIII., fig. 11.

1317.	Sphæria (Leptosphæria) galiorum, *Sacc.*	The Avon,	June, 1885.
1318.	Sphæria (Leptosphæria) culmicola, *Fr.*	St. Philip's Marsh,	July, 1882.
1319.	Sphæria (Leptosphæria dolioides, *Auers.*	Keynsham,	„ 1886.
1320.	Sphæria (Metasphæria) culmifida, *Karst.*	Black Rock Quarry,	Jan., „
1321.	Gnomonia vulgaris, *Ces. & De No.*	Durdham Downs,	Feb., „